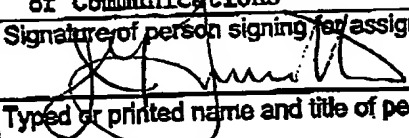


REISSUE APPLICATION BY THE ASSIGNEE. OFFER TO SURRENDER PATENT		Docket Number (Optional)
<p>This is part of the application for a reissue patent based on the original patent identified below.</p>		
Name of Patentee(s): <u>Kenneth O. Hill et al.</u>		
Patent Number <u>5,367,588</u>	Date Patent Issued <u>November 22, 1994</u>	
Title of Invention <u>METHOD OF FABRICATING BRAGG GRATINGS USING A SILICA GLASS PHASE GRATING MASK AND MASK USED BY SAME</u>		
<p><u>Her Majesty in Right of Canada as Represented by the Minister of Communications</u> is the assignee of the entire interest in the original patent.</p> <p>I offer to surrender the original patent.</p> <p><input checked="" type="checkbox"/> A certificate under 37 CFR 3.73(b) is attached.</p> <p>I am authorized to act on behalf of the assignee.</p>		
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application, any patent issued thereon, or any patent to which this declaration is directed.</p>		
Name of assignee <u>Her Majesty in Right of Canada as Represented by the Minister of Communications</u>		
Signature of person signing for assignee 	Date <u>29 Jan 99</u>	
Typed or printed name and title of person signing for assignee <u>Gerry Turcotte, President, Communications Research Centre</u>		

#3

555290-2024E60

offer to
surrender
patent
10/30/98

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Kenneth O. Hill, et al.Application No./Patent No.: 5,367,588Filed/Issue Date: November 22, 1994

ENTITLED: METHOD OF FABRICATING BRAGG GRATINGS USING A SILICA GLASS
PHASE GRATING MASK AND MASK USED BY SAME

Her Majesty in Right of Canada as
 Represented by the Minister of
 Communications

(Name of Assignee)

Government Agency

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

In the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 6404, Frame 0926, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
 The document was recorded in the Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
 The document was recorded in the Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

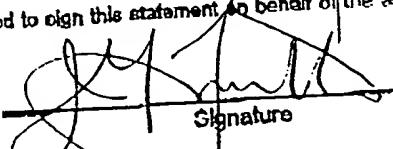
3. From: _____ To: _____
 The document was recorded in the Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.
 [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302.202.B]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

29 Jun 99
 Date


 Signature
Gerry Turcotte
 Typed or printed name
President,
Communications Research Centre
 Title

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REISSUE APPLICATION DECLARATION BY THE ASSIGNEE		Docket Number (Optional)
<p>I hereby declare that: My residence, post office address and citizenship are stated below next to my name. I am authorized to act on behalf of the assignee: <u>Her Majesty, in Right of Canada as Represented by the Minister of Communications</u> and the title of my position with said assignee: <u>President, Communications Research Centre</u> The entire title to the patent identified below is vested in said assignee</p>		
Name of Patentee(s): <u>Kenneth O. Hill, et al.</u>		
Patent Number <u>5,367,588</u>	Date Patent Issued <u>November 22, 1994</u>	
Title of Invention <u>METHOD OF FABRICATING BRAGG GRATINGS USING A SILICA GLASS PHASE GRATING MASK AND MASK USED BY SAME</u>		
<p>I believe said patentee(s) to be the original, first and sole or joint inventor(s) of the subject matter which is described and claimed in said patent, for which a reissue patent is sought on the invention entitled _____ <u>See Attachment 1</u> the specification of which</p> <p><input checked="" type="checkbox"/> is attached hereto.</p> <p><input type="checkbox"/> was filed on _____ as reissue application number ____ / ____ and was amended on _____ (If applicable)</p> <p>I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.</p> <p>I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.</p> <p>I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)</p> <p><input checked="" type="checkbox"/> by reason of a defective specification or drawing.</p> <p><input checked="" type="checkbox"/> by reason of the patentee claiming more or less than he had the right to claim in the patent.</p> <p><input type="checkbox"/> by reason of other errors.</p> <p>At least one error upon which reissue is based is described as follows: <u>See Attachment 2</u></p>		

[Page 1 of 2]

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(REISSUE APPLICATION DECLARATION BY THE ASSIGNEE, page 2)

Docket Number (Optional)

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Name(s)

Registration Number

Melvin Kraus22,466William I. Solomon28,565Gregory E. Montone28,141

Correspondence Address: Direct all communications about the application to:

☒ Customer Number020457

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of person signing (given name, family name)

Gerry Turcotte

Signature

Date

29 Jun 99

Residence

Citizenship

Canadian

Post Office Address

1640 Bear Hill Road Carp, Ontario

020457 020457 020457

Addendum

Attachment 1

Attachment 1
METHOD OF FABRICATING BRAGG GRATINGS USING A SILICA GLASS PHASE
GRATING MASK AND MASK USED BY SAME

Attachment 2

document 2

The original patent failed to recite the relationship of the original patent with the parent applications of U.S. Patent Nos. 5,216,739 and 5,104,209 and failed to claim benefit thereof under 35 U.S.C. 120; and claim 15 of the original patent did not have proper antecedent basis for "the striations" so that claim 15 has been amended to depend from claim 11 rather than claim 8.

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below:

(application Serial No.)	(Filing Date)	(status)
656,462	February 19, 1991	patented (\$5,104,209)
811,299	December 20, 1991	patented (\$5,216,739)